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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/075,917 02/13/2002		Kenneth Elmon Koch III	46872.269148 (UNCC 2001-0	1717
	44231	7590 01/17/2006		EXAMINER	
	KILPATRIO J. STEVEN O	CK STOCKTON LLP	- 46872	PAN, DANIEL H	
	1001 WEST FOURTH STREET WINSTON-SALEM, NC 27101			ART UNIT	PAPER NUMBER
				2183	_

DATE MAILED: 01/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/075,917	KOCH, KENNETH ELMON			
Office Action Summary	Examiner	Art Unit			
	Daniel Pan	2183			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION  (6(a). In no event, however, may a reply be tirged;  (ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 28 Oc	ctober 2005.				
·_ ·	action is non-final.				
3) Since this application is in condition for allowan		osecution as to the merits is			
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-27</u> is/are pending in the application.					
4a) Of the above claim(s) <u>28-45</u> is/are withdraw	n from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-27</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9) The specification is objected to by the Examiner		dan budha Eurotana			
10)⊠ The drawing(s) filed on <u>13 February 2002</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents	•				
<ol><li>Copies of the certified copies of the prior</li></ol>	•	ed in this National Stage			
application from the International Bureau					
* See the attached detailed Office action for a list of	of the certified copies not receive ,	ed. / , o ,			
A 1449	on 02/13/02 is a bi	ank form. I polloglob			
Attachment(s)					
Notice of References Cited (PTO-892)	4) Interview Summary				
2)	Paper No(s)/Mail D 5) Notice of Informal F	ate Patent Application (PTO-152)			
Paper No(s)/Mail Date <u>10/28/05, 02/13/02</u> .	6) Other:				

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1. Claims 1-27 remain for examination. Claims 28-45 have been canceled.

- 2. The IDS on 10/28/05 has been received and considered. Examiner thanks applicant for clarifying the IDS blank 1449 form on 02/13/02.
- 3. Claim 1 is provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/803,690. Although the conflicting claims are not identical, they are not patentably distinct from each other because of the reasons already set forth in the Paragraph # 4 in the last Office action on 08/08/05, therefore, it will not be repeated herein.
- 4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Saldanha et al. (5,682,519).
- 6. The rejection was directed to 35 U.S.C. 102(b). However, due to typo error the letter "(a)", instead of (b) was inserted into the rejection statement in paragraph 5.

  Nevertheless, the text portion of 35 U.S.C. 102(b) was included already before paragraph 5 in the action, and it was self-explanatory.
- 7. As to the newly amended feature of "dynamically" performing short circuit evaluation, Saldanha also taught that his system was run on Sun Unix operating

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system, and the low power synthesis module (see algorithm used for low power short circuit in col.5, lines 60-67, col.6, lines 1-14) was part of Sequential Interactive System software (see col.5, lines 45-52). Form the above, it can be seen easily that Saldanha's short circuit evaluation (for purpose of low power) was based on interactive software, and an interactive software, as already known in the art, was able to respond whenever the user's request occurred, and therefore, it was dynamic. Saldanha did not explicitly characterize his system as "dynamic", but due to the interactive nature of the software, it was dynamic.

- 8. The rejection is maintained and incorporated by reference the last Office action on 08/08/05.
- 9. The response on 10/28/05 by applicant has been fully considered, but it is not persuasive .
- 10. In the remarks, applicant argued that Saldanha's circuit is unable to dynamically perform the short circuit evaluation of Conjunctive Normal Form Boolean expressions.
- 11. As to the remark above, Saldanha taught a Boolean logic unit (see fig. 5) was operable for performing the shod circuit evaluation of Conjunctive Normal Form Boolean expressions/operations (see AND gate, see the shod circuited AND in col.7, lines 53 65, see for Boolean expression). Saldanha did not explicitly characterize "dynamic" as claimed. However, Saldanha was also taught that his system was run on Sun Unix operating system, and the low power synthesis module (see algorithm used for low power short circuit in col.5, lines 60-67, col.6, lines 1-14) was part of Sequential

Interactive System software (see col.5, lines 45-52). Form the above teaching, it can be seen easily that Saldanha's short circuit evaluation (for purpose of low power) was based on interactive software, and an interactive software, as already known in the art, was able to respond whenever the user's request occurred, and therefore, it was dynamic. Saldanha did not explicitly characterize his system as "dynamic", but due to the interactive nature of the software, it was dynamic.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Pan whose telephone number is 703 305 9696, or the new number 571 272 4172. The examiner can normally be reached on M-F from 8:30 AM to 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chan, can be reached on 703 305 9712, or the new number 571 272 4162. The fax phone number for the organization where this application or proceeding is assigned is 703 306 5404.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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